

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P567062

Luminaire Tested: **4SNX-SL3-FDL-UNV-CC93-CD-5000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-SL3-FDL-UNV-CC93-CD-5000K-LOW
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, LOW LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

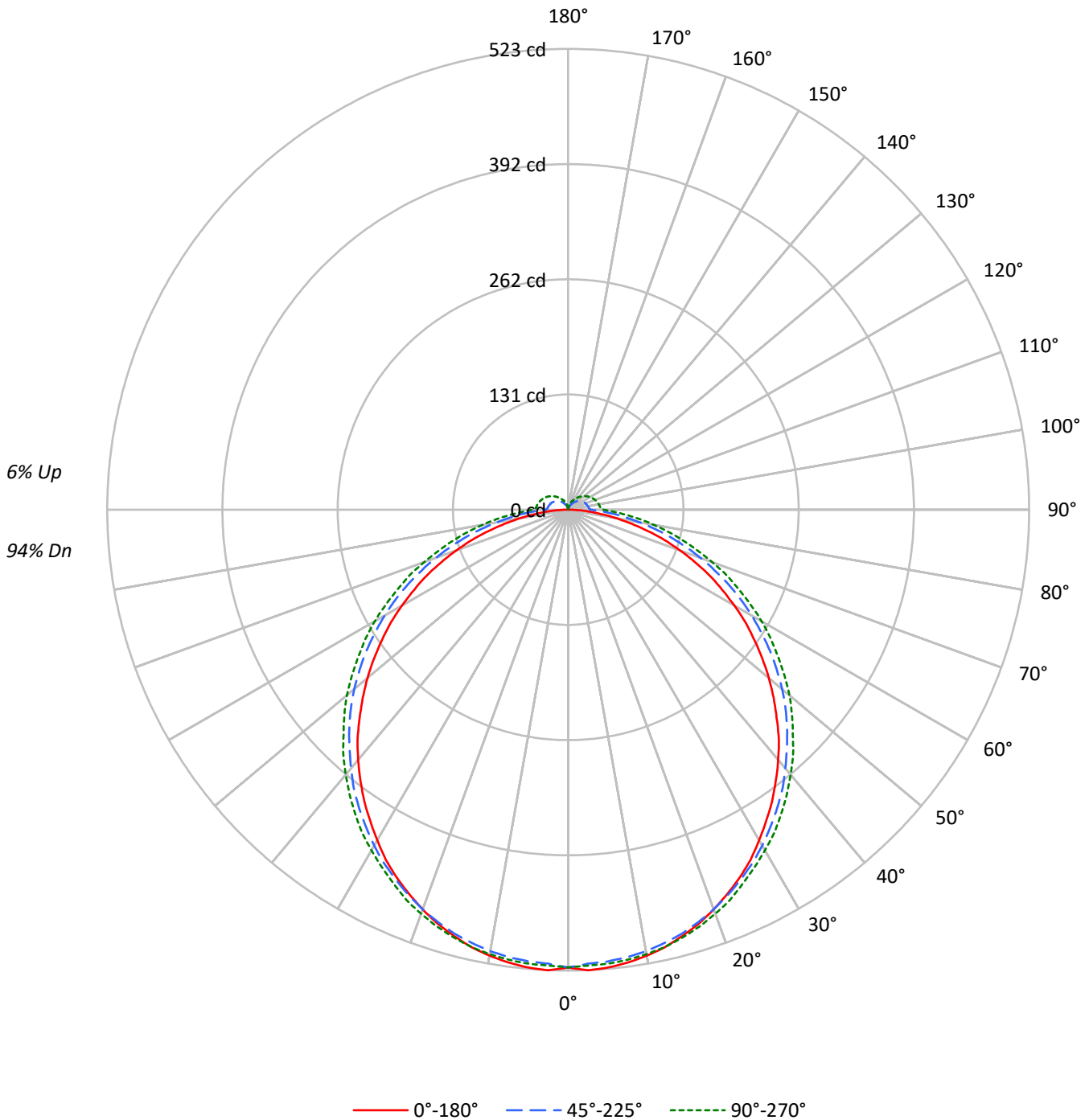
Lumens per Lamp: N/A
Luminaire Lumens: 1651.0 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 16.863
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5592	5592	5592
5°	5631	5500	5508
10°	5608	5440	5439
15°	5565	5372	5361
20°	5508	5288	5270
25°	5443	5197	5162
30°	5353	5104	5061
35°	5264	4994	4957
40°	5164	4874	4841
45°	5039	4754	4704
50°	4917	4618	4578
55°	4769	4449	4405
60°	4599	4256	4235
65°	4422	4028	3998
70°	4115	3737	3756
75°	3747	3398	3464
80°	3202	2947	3139
85°	2516	2555	2759



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	3.0
10°-20°	141.4	8.6
20°-30°	214.3	13.0
30°-40°	258.7	15.7
40°-50°	270.1	16.4
50°-60°	248.1	15.0
60°-70°	196.2	11.9
70°-80°	124.2	7.5
80°-90°	53.4	3.2
90°-100°	23.5	1.4
100°-110°	21.0	1.3
110°-120°	17.8	1.1
120°-130°	13.8	0.8
130°-140°	9.6	0.6
140°-150°	5.8	0.3
150°-160°	2.8	0.2
160°-170°	1.0	0.1
170°-180°	0.1	0.0
0°-30°	404.9	24.5
0°-40°	663.6	40.2
0°-60°	1181.8	71.6
0°-90°	1555.6	94.2
90°-120°	62.3	3.8
90°-150°	91.5	5.5
90°-180°	95.0	5.8
0°-180°	1651.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	520	520	520	520	520	
5°	522	520	515	519	517	50
15°	501	501	498	504	503	141
25°	460	462	463	469	468	212
35°	404	408	413	420	421	252
45°	334	343	351	358	360	258
55°	258	268	280	289	291	231
65°	178	187	201	210	213	175
75°	94	105	120	130	135	99
85°	23	35	50	61	65	25
90°	2	13	26	36	40	2
95°	0	11	23	33	36	0
105°	0	10	22	31	34	0
115°	0	8	20	28	31	0
125°	1	8	17	24	27	1
135°	1	6	13	19	21	0
145°	1	4	9	14	16	0
155°	1	3	6	9	11	0
165°	1	2	3	4	6	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



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CATALOG NUMBER: 4SNX-SL3-FDL-UNV-CC93-CD-5000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	519.5	519.5	519.5	519.5	519.5
2.5°	523.3	521.6	515.7	519.8	517.8
5°	521.6	520.1	514.6	519.0	517.2
7.5°	518.4	517.2	512.2	516.9	515.2
10°	514.0	513.1	508.7	513.4	512.2
12.5°	508.4	508.1	503.8	509.0	508.1
15°	500.8	500.8	498.2	503.5	502.6
17.5°	492.6	492.9	490.9	496.4	495.9
20°	482.7	484.2	482.7	488.5	488.0
22.5°	471.9	473.9	473.3	479.2	479.5
25°	460.5	462.5	463.1	469.3	468.4
27.5°	447.9	451.1	452.3	457.8	457.6
30°	433.3	437.7	440.3	445.0	446.4
32.5°	418.4	423.6	426.9	433.3	435.0
35°	403.5	408.1	413.4	419.8	421.3
37.5°	387.1	392.4	399.4	405.5	407.3
40°	370.7	376.6	383.3	390.0	392.7
42.5°	353.8	359.9	367.2	375.1	377.7
45°	334.5	342.7	351.4	358.2	360.5
47.5°	316.1	325.1	334.5	341.8	344.4
50°	297.3	307.0	316.9	323.7	327.7
52.5°	277.7	288.3	298.2	306.7	309.3
55°	257.9	268.4	279.5	288.6	290.6
57.5°	238.6	248.8	259.9	268.4	272.5
60°	217.5	228.6	240.6	249.1	253.5
62.5°	197.1	207.9	220.7	229.8	233.3
65°	177.5	187.4	200.6	209.9	213.1
67.5°	155.8	167.2	179.8	190.6	194.7
70°	134.5	145.3	159.6	169.9	174.0
72.5°	114.6	125.1	139.5	149.7	153.5
75°	93.6	104.7	119.9	130.1	135.1
77.5°	73.4	85.7	100.3	111.4	116.9
80°	54.7	65.5	81.3	93.6	98.5
82.5°	37.1	48.8	65.2	76.6	82.2
85°	22.8	35.1	50.3	61.1	64.9
87.5°	10.8	22.5	36.5	47.1	51.7
90°	1.5	12.6	25.7	36.0	39.8
92.5°	0.3	10.8	23.7	33.3	36.8
95°	0.3	10.8	23.4	32.7	36.3
97.5°	0.3	10.5	23.1	32.5	35.7
100°	0.3	10.2	22.8	31.9	35.4
102.5°	0.3	10.2	22.2	31.3	34.5
105°	0.3	9.9	21.9	30.7	33.9
107.5°	0.3	9.6	21.3	30.1	33.3
110°	0.3	9.1	21.1	29.2	32.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	8.8	20.5	28.7	31.6
115°	0.3	8.5	19.9	27.8	30.7
117.5°	0.3	8.2	19.0	26.9	29.8
120°	0.6	8.2	18.4	26.0	28.7
122.5°	0.6	7.9	17.5	24.9	27.5
125°	0.6	7.6	16.7	24.0	26.6
127.5°	0.6	7.3	15.8	22.8	25.1
130°	0.6	6.7	15.2	21.6	24.0
132.5°	0.6	6.4	14.3	20.2	22.5
135°	0.6	5.8	13.4	19.0	21.3
137.5°	0.6	5.6	12.6	17.8	19.9
140°	0.6	5.3	11.4	16.7	18.7
142.5°	0.6	4.7	10.5	15.5	17.2
145°	0.6	4.4	9.4	14.3	15.8
147.5°	0.6	3.8	8.5	13.2	14.6
150°	0.6	3.5	7.6	12.0	13.4
152.5°	0.6	3.2	6.7	10.5	12.0
155°	0.6	2.9	6.1	9.1	10.8
157.5°	0.6	2.6	5.3	7.9	9.6
160°	0.9	2.3	4.7	6.7	8.2
162.5°	0.9	2.0	3.8	5.6	7.3
165°	0.9	2.0	3.2	4.4	6.1
167.5°	0.9	1.8	2.6	3.5	5.0
170°	0.9	1.5	2.3	2.6	3.8
172.5°	0.9	1.2	1.8	1.8	2.0
175°	0.9	1.2	1.5	1.5	0.9
177.5°	0.9	0.9	0.9	0.9	0.6
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)